HP Z420 Workstation

Performance you want. Value you need. The HP Z420 gives you professional expandability in an accessible tool-free mini-tower form factor — all at a great price. With up to 8 discrete processing cores, the latest processing and I/O power from Intel®, and the latest graphics technology from leading graphics providers, the HP Z420 has the power you need to get the job done.

HP recommends Windows® 7.

Designed With Ease.
Enjoy the control that comes with being able to swap out parts or make upgrades on your own. The HP Z420 Workstation features a smart chassis that offers tool-less access to the inside, easy configurability and optional optical bay handles for seamless deployment.

And with optional liquid cooling designed to deliver whisper-quiet performance, the HP Z420 is built to make your work flow smoother.

Enjoy Superb Performance.
Achieve the highest performance available in a single-processer personal workstation. The HP Z420 Workstations offers your choice of Intel® Xeon® E5-1600 and E5-2600 series processors — with base clock frequencies of up to 3.6GHz and the new Intel® C602 chipset.

Delivering support for up to 8 cores of processing power, the HP Z420 never slows you down.

Never Compromise On Graphics.
Built to support next generation PCIe Gen3 graphics, the HP Z420 currently offers a breadth of AMD and NVIDIA professional graphics cards from Pro 2D to high-end 3D, up to the NVIDIA Quadro 5000.

With 600W 90% efficient power supply and support for up to 8 HP Performance Displays, the HP Z420 can maximize your productivity with the freedom of seeing and doing more all at once.

Build It Your Way.
Build the HP Z420 Workstation the way you want with multiple SATA and SAS RAID configuration options that support a wide range of high-performance, high capacity storage solutions.

Always know you're a step ahead with 8 DIMM slots in 4-channel memory architecture, delivering up to 64GB and integrated 1600MHz memory.

Complete Peace of Mind.
HP workstations offer BFR/PVC-free and ENERGY STAR® qualified configurations featuring 90% efficient power supplies.

All HP Workstations come with a limited 3-year parts, 3-year labor and 3-year onsite service (3/3/3) standard warranty that is extendable up to 5 years.

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SPECIFICATIONS

Form Factor	Convertible Minitower
Operating system	Genuine Windows® 7 Ultimate 64 Genuine Windows® 7 Professional 32 Genuine Windows® 7 Professional 64 SUSE Linux Enterprise Desktop 11 Red Hat Enterprise Linux (drop-in-the-box only) HP Installer Kit for Linux HP Linux Installer Kit includes drivers for both 32-bit & 64-bit OS versions of Red Hat Enterprise Linux WS5 and WS6 and SUSE Linux Enterprise Desktop 11 64-bit. Red Hat Enterprise Linux: Software is not loaded on hard drive. URL and software license number for downloading latest version is included in box.
Processor	Intel® Xeon® E5-2687W (3.10 GHz, 20 MB cache, 8 cores); Intel® Xeon® E5-2665 (2.40 GHz, 20 MB cache, 8 cores); Intel® Xeon® E5-1660 (3.30 GHz, 15 MB cache, 6 cores); Intel® Xeon® E5-1650 (3.20 GHz, 15 MB cache, 6 cores); Intel® Xeon® E5-1620 (3.60 GHz, 10 MB cache, 4 cores); Intel® Xeon® E5-1607 (3.00 GHz, 10 MB cache, 4 cores); Intel® Xeon® E5-1603 (2.80 GHz, 10 MB cache, 4 cores)
Chipset	Intel® C602
Memory	Up to 64 GB 1600 MHz DDR3 Unbuffered SDRAM Memory Slots : 8 DIMM Actual memory speed is dependent on processor.
Internal Storage	250 GB up to 3 TB SATA (7200 rpm) 300 GB up to 600 GB SAS (10000 rpm) 300 GB up to 600 GB SAS (15000 rpm) 128 GB up to 300 GB SATA Solid State Drive Integrated SATA 6.0 Gb/s; integrated SATA 3.0 Gb/s; LSI 9212 4-Port SAS 6 Gb/s RAID (selected models); LSI MegaRAID 9260-8i SAS 6 Gb/s ROC RAID and IBBU08 battery backup unit (selected models)
Removable media	SATA Blu-ray writer; SATA SuperMulti DVD+/-RW; SATA DVD-ROM
Graphics	Professional 2D, AMD FirePro 2270 (512 MB); NVIDIA NVS 300 (512 MB); NVIDIA NVS 310 (512 MB); NVIDIA Quadro NVS 450 (512 MB) Entry 3D, NVIDIA Quadro 410 (512 MB); NVIDIA Quadro 600 (1 GB); AMD FirePro V3900 (1 GB); AMD FirePro V4900 (1 GB) Midrange 3D, NVIDIA Quadro 2000 (1 GB); AMD FirePro V5900 (2 GB) High-end 3D, AMD FirePro V7900 (2 GB); NVIDIA Quadro 4000 (2 GB); NVIDIA Quadro 5000 (2.5 GB)
Audio	Integrated High Definition Realtek ALC262 Audio
Communications	Integrated Intel 82579 LAN; Broadcom NetXtreme Gigabit Ethernet Plus NIC PCIe Card (selected models); Intel Gigabit CT Desktop NIC PCIe Card (selected models); HP Wireless 802.11 b/g/n NIC PCIe Card (selected models); HP NC360T PCI Express Dual-Port Gigabit NIC PCIe Card (selected models)
Ports and Connectors	4 USB 3.0; 5 USB 2.0; 2 IEEE 1394a; 2 PS/2; 1 RJ-45; 2 microphone; 1 audio line out; 1 audio line in; 1 headphone; 1 22-in-1 Media Card Reader (optional) 6 internal USB 2.0 available by 3 separate 2x5 headers; 1 serial available via optional Serial Port Adapter
Security	Padlock Support (standard - padlock selected models); Cable Lock Support (standard - cable selected models); Universal Chassis Clamp Lock (selected models); Serial, Parallel, USB, Audio, Network Enable/Disable (standard); Removable Media Write/Boot Control (standard); Power-On Password (standard); Setup Password(standard); Solenoid Lock and Hood Sensor (selected models)
Dimensions	17.78 x 44.52 x 44.76 cm Standard minitower orientation
Weight	Starting at 12.5 kg Exact weight depends upon configuration.
Energy efficiency compliance	ENERGY STAR® qualified configurations available, EPEAT® registered where applicable/supported. See www.epeat.net for registration status by country.
Power	600W 90% efficient, wide ranging, active PFC
Expansion solutions	2 PCIe Gen3 x16; 1 PCIe Gen3 x8; 1 PCIe Gen2 x8 (x4); 1 PCIe Gen2 x4 (x1); 1 PCI; The PCIe x8 connectors are open ended, allowing a PCIe x16 card to be seated in the slot. Three 5.25"Three 3.5"
Warranty	3-year worldwide parts, labour and next business day onsite service Terms and conditions may vary, restrictions apply

For more information, please visit **www.hp.eu/workstations**

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Accessories and Services

HP ZR2240w 21.5-inch LED Backlit IPS Monitor

The HP ZR2240w 54,6 cm (21.5") LED Backlit IPS Monitor has a new LED backlight, HDMI input and 1920 x 1080 full HD[1] resolution in an ultra-modern design that's sleeker than ever to perfectly complement HP Z Workstations.

Product number: XW475A4

HP 160GB SATA Solid State Drive

Solid State Drives (SSDs) are fast becoming a real force with respect to storage in the computer industry. With no moving parts, storage is no longer bound by mechanical barriers to higher performance. HP SSDs for workstations offer overall performance typcially beyond that of SAS 15k rpm HDDs (Hard Disk Drives).

Product number: LZ704AA

NVIDIA Quadro 600 1.0GB Graphics Card

The low-profile NVIDIA Quadro 600 is the newest entry-level professional graphics solution, delivering maximum productivity and flexibility for engineers and designers.

Product number: WS093AA

NVIDIA Quadro 2000 1.0GB Graphics Card

The NVIDIA Quadro 2000, based on Fermi architecture, maximizes productivity for engineers and designers by up to 5 times

Product number: WS094AA

5-year Next Business Day Onsite

Care Pack

Receive 5 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely.

Product number: U7944E

For more information, please visit www.hp.eu/hpoptions

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